



**Davis-Thompson  
Foundation**

C.L. DAVIS/S.W. THOMPSON  
DVM FOUNDATION

A tax-exempt, donative,  
publicly-supported charity  
For the advancement of veterinary  
and comparative pathology

# THE DAVIS-THOMPSON FOUNDATION NEWSLETTER

May 2021

VOL. 51

## CEO & CHAIRMAN OF THE BOARD

FRANCISCO A. UZAL, DVM, MSc, PhD

## PRESIDENT

JEY KOEHLER, DVM, PhD

## BOARD MEMBERS

CORY F. BRAYTON, DVM

JAMES BRITT, DVM MS

BRUCE H. WILLIAMS, DVM

CORRIE C. BROWN, DVM, PHD

VINICIUS CARREIRA, DVM, PHD

FRANCISCO CARVALLO, DVM, PHD

JENNIFER CHAPMAN, DVM

MIKE DARK, DVM

FABIO DEL PIERO, DVM, PHD

STEPHEN M. DEMPSEY, DVM

JOHN F. EDWARDS, DVM, PHD

MR. ROBERT HYMAN, BA, MS

KYU-SHIK JEONG, DVM, PHD

SANJA ALEKSIC-KOVACEVIC DVM, PHD

IINGEBORG LANGOHR, DVM, PHD

ERIC LOMBARDINI, DVM, PHD

ELIZABETH MCINNES, BVSC, MS

TRACEY S. MCNAMARA, DVM

RAFAELA DE NEGRI, DVM, MS

LONZY OJOK, BVMS, DR. DVM, PHD

PATRICIA PESAVENTO, DVM, PHD

SIMON PRIESTNALL, BVSC, PHD

VLADISLAVA S. RAC, DVM, MS

TONY ROSS, BVSC, MSc, PHD

ZADOK RUBEN, DVM, PHD

BRETT H. SALADINO, DVM

MOHAMED SLAOUI, DVM

## INSIDE THIS ISSUE

- 2 Membership Appeal
- 4 Foundation Announcements
- 7 Seminar Reviews
- 12 Diagnostic Exercise
- 14 WNPRC Lab Animal Medicine and Pathology Seminar
- 15 Reproductive Pathology Day Seminar
- 16 Avian And Pig Pathology Seminar
- 17 May Virtual Seminars
- 18 Gross Pathology Review Course
- 19 Spanish Seminars 2021
- 20 Descriptive Veterinary Pathology Course
- 21 Voices In Pathology: Asian Americans
- 22 Australian Saturday Seminars
- 23 Brazilian Seminars
- 24 2021 CLASS / POLA Course
- 25 Mouse Pathology
- 26 2021 ACVP Pre-Conference Workshop
- 27 2021 Northeastern Veterinary Pathology Conference
- 28 Argentinian Meeting (RAPAVE)
- 30 BSTP Corner
- 32 IDEXX CaseConnexx Corner
- 34 Miscellaneous Announcements
- 39 Table of Upcoming Events

# MEMBERSHIP APPEAL

Dear Colleague:

As we do every year, the Davis-Thompson Foundation conducts its annual membership drive. We are hoping that you will consider initiating or renewing your individual membership for 2021.

Why should you become a member of the Davis-Thompson Foundation? Here are just a few reasons:

1. You support pathology and lab animal medicine education around the world. In the last two years, the Foundation has begun an unprecedented electronic outreach program that is unmatched by any other organization in our field. The Foundation is the leading provider of FREE and low cost educational resources with FREELY available images in Noah's Arkive, a YouTube page with several hundred hours of lectures, and a virtual slide server.
2. The Foundation is truly an international operation. In 2020, we held numerous virtual seminars attended by many thousands of attendees around the world and in 2021, we have close to 100 courses planned on five continents and in various languages.
3. Members receive 10% off tuition (or more) on many of our courses – a fantastic deal!
4. You can support your friends, colleagues, and faculty members who offer their time and energy as our speakers, course directors, and officers on a wholly volunteer basis (yes, we do it all for free). The Foundation has no endowment, so each year, we must raise the funds to continue all these endeavors.
5. By becoming a member (or renewing your previous membership), you get your very own copy of Surgical Pathology of Tumors of Domestic Animals Volume 3: Tumors of the Soft Tissues. Several other textbooks are already in preparation and will be published by the Foundation.
6. All memberships are counted as donations to the Foundation, a publicly donative charity, and are therefore fully deductible from your US income tax.

You can support the Foundation by becoming an individual member (or renewing your membership) for only \$125 for a full year. Just fill out the membership form (and email, fax, or mail it to the Foundation office in Gurnee, IL.), or apply online at: <https://davisthompsonfoundation.regfox.com/individual-membership>.

Thank you for your time, and thank you for your support!

Sincerely,



Francisco A. Uzal, DVM, MSc, PhD  
Chairman, Board of Directors, Davis-Thompson Foundation

## CHARLES LOUIS DAVIS AND SAMUEL WESLEY THOMPSON DVM FOUNDATION

For The International Advancement of  
Education in Veterinary & Comparative Pathology  
6241 Formoor Lane, Gurnee, Illinois 60031-4757  
Telephone: 847-367-4359 Fax: 847-247-1869  
E- Mail: [cldavisdvm@comcast.net](mailto:cldavisdvm@comcast.net)

A Not-For-Profit Corporation, Incorporated in The State of Illinois, USA  
Classified as a Tax Exempt, Donative, Publicly Supported Charity, Sections  
509(a)(1) & 170(b)(1)(A)(vi) of The Internal Revenue Code of The USA, &  
Assigned FEIN 62-6091432

NOTICE FOR INDIVIDUAL MEMBERSHIP FOR 2021

The Board of Directors extends an invitation for renewal of your Individual Membership Contribution to The Foundation for 2021. The annual membership rate is \$125.00.

Name: \_\_\_\_\_

Degrees (circle one or more):    DVM       MS       Ph.D.

Address (with zip code): \_\_\_\_\_

\_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

Contributions above the minimum values are encouraged and welcome!

YOUR GIFT FROM THE FOUNDATION: Upon payment of its dues for 2021 you will receive Volume 3 of the Surgical Pathology of Tumors of Domestic Animals – Tumors of the Soft Tissues.

Make checks or money orders payable to C. L. Davis Foundation. You may also pay by credit card if you wish, The Foundation accepts AMERICAN EXPRESS, MASTER CARD, VISA or DISCOVER:

Number: [   ][   ][   ][   ]----[   ][   ][   ][   ]----[   ][   ][   ][   ]----[   ][   ][   ][   ]

Expires [   ][   ]--[   ][   ]    CVV [   ]--[   ]--[   ][   ]

ALL PAYMENTS must be mailed, faxed, or a scanned copy email to the Foundation Treasure Dr. Vladislava Rac at the address, fax, or email above.

Thank you for interest in joining and supporting the Davis-Thompson Foundation!

# FOUNDATION ANNOUNCEMENTS



## UPCOMING CHANGES TO OUR YOUTUBE CHANNEL



At Davis-Thompson Foundation, we strive to bring you relevant, current information.

With that in mind, beginning July 31st, we will be removing Free-Friday webinars and Full-day webinars that are older than 6 months.

Go re-watch your favorites!

## FULL-DAY WEBINAR NEW STRUCTURE

In order to accommodate all time zones, from May forward, Full-Day webinar presentations that receive authorization for rebroadcast will be available for 14 days beginning 24 hours following the live broadcast, for registrants only.



We are so happy with our refreshed logo that we wanted to share the happy vibes by giving out a registration to the next full-day webinar to our Facebook Group members, supporters of our mission, that are using our new Facebook frame.

We'll keep this vibe going through summer! Winner will be randomly selected at random times preceding the webinar and announced on Facebook on Fridays happy hour time!

Come back on Fridays to learn if you are the lucky winner of a registration for the following Tuesday, full-day webinar!

Frames can be found on comments

Thank you for your support!

HAPPY VIBES



# FOUNDATION ANNOUNCEMENTS

---

## SCHOLARSHIPS FOR THE REBROADCAST VERSION OF 2021 GROSS PATHOLOGY REVIEW COURSE

The Davis-Thompson Foundation is offering **ten** scholarships to attend the rebroadcast version of the 2021 Gross Pathology Review course. Scholarship recipients may attend the rebroadcast version of the course for its 21-day run (1-21 June 2020) at no charge.

All applications will be evaluated, but preference will be given to post-veterinary degree pathology trainees that are currently enrolled in a training program.

To apply for one of these scholarships, send the following documents via e-mail to Dr Bruce Williams ([bruce.h.williams.dvm@gmail.com](mailto:bruce.h.williams.dvm@gmail.com)):

1. Letter of intent, addressed to the Davis-Thompson Foundation with a brief justification for your request and explanation of the benefits of attending this course for you and your community
2. Letter from your training coordinator or Department head/supervisor supporting the application.
3. Application form (below)

**APPLICATIONS ARE DUE NO LATER THAN MAY 7, 2021.**

LATE OR INCOMPLETE SUBMISSIONS WILL NOT BE EVALUATED.

---

### Application form for Gross Pathology Review Course Rebroadcast Scholarship

Name:

Address:

E-mail:

Degrees:

Trainee: yes/no (circle what corresponds)

Training program:

Graduate/Undergraduate trainee (circle what corresponds)

Is this a paid position: yes/no (circle what corresponds)

If not a trainee:

Place of work:

# FOUNDATION ANNOUNCEMENTS

## SCHOLARSHIPS FOR THE REBROADCAST VERSION OF 2021 DESCRIPTIVE VETERINARY PATHOLOGY COURSE

The Davis-Thompson Foundation is offering **ten** need-based scholarships to attend the rebroadcast version of the 2021 Descriptive Veterinary Pathology course in June of this year. Scholarship recipients may attend the rebroadcast version of the course for its 21-day run (beginning on or about 7 July) at no charge.

All applications will be evaluated, but preference will be given to post-veterinary degree pathology trainees that are currently enrolled in a training program.

To apply for one of these scholarships, send the following documents via e-mail to Dr Bruce Williams ([bruce.h.williams.dvm@gmail.com](mailto:bruce.h.williams.dvm@gmail.com)):

1. Letter of intent, addressed to the Davis-Thompson Foundation with a brief justification for your request and explanation of the benefits of attending this course for you and your community
2. Letter from your training coordinator or Department head/supervisor supporting the application.
3. Application form (below)

**APPLICATIONS ARE DUE NO LATER THAN JUNE 1, 2021.**

LATE OR INCOMPLETE SUBMISSIONS WILL NOT BE EVALUATED.

### Application form for Descriptive Veterinary Pathology Course Rebroadcast Scholarship

Name:

Address:

E-mail:

Degrees:

Trainee: yes/no (circle what corresponds)

Training program:

Graduate/Undergraduate trainee (circle what corresponds)

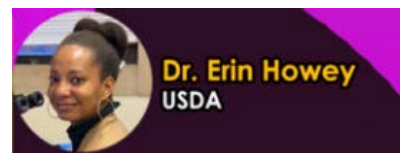
Is this a paid position: yes/no (circle what corresponds)

If not a trainee:

Place of work:

# SEMINAR REVIEWS

PARTICIPANT'S REVIEW BY DR MARVIN J.FIRTH BVSC (HONS.), DIPFMS, MRCVS  
CLASSIC FOOD ANIMAL DISEASES BY DR ERIN HOWEY, DVM DACVP



With an interest in farm animal disease and surveillance, I couldn't wait to listen to Dr Howey from the USDA deliver her insights and experience toward some of the most common food animal conditions she encounters from the 250,000 cattle and 14 million poultry carcasses that are condemned in the US each year. The presentation was filled with fantastic gross and microscopic images which showed with clarity some of the unique pathological features conditions such as 'Lumpy jaw' with its fantastic Splendore-Hoeppli formation to leptospirosis and striking images of porcine dermatitis and nephropathy syndrome (PDNS) (porcine circovirus) and differentials for emerging porcine diseases such as Classical and African Swine Fever. A particularly interesting case was that of numerous mesothelial proliferative lesions in an adult beef cow that could stem from neoplastic epithelial cells of the ovary that seed through the thoracic or abdominal cavity. Dr Howey, demonstrated their

histological appearance and how they can closely resemble mesothelioma and the benefits and pitfalls of some immunohisto-staining and I for one would love to try and see a case of this now! Spanning further food species, Dr Howey included ovine parasitic pulmonary nodules in a ram; confirming her amazing skill with microscopic photography; clearly highlighting the dorsal spine and kinked tails of larval *Muellerius capillaris*.

Overall, the session confirmed my interest in the variety of food animal disease and how pathology in this sector can provide a challenging and rewarding career. Spurred by the webinar, many delegates asked both clinical and pathological questions which could assist both referring veterinarians, slaughterhouses and farmers. The surveillance service for endemic and emerging diseases, as well as those of public health concern, make Dr Howey and her colleagues a vital team in the US food animal pathology process.



# SEMINAR REVIEWS

## Fill In The Blanks!

	Sample	Test	Agent
Bacteriology	Lung	Aerobic culture	(5) _____
	Liver	Aerobic & microaerophilic culture	<i>Campylobacter spp.</i>
	(2) _____	Aerobic & microaerophilic culture, Gram stain, darkfield	
	Kidney	PCR & FA	(6) _____
	(3) _____	Aerobic & microaerophilic culture, FA, Gimenez stain	<i>Campylobacter spp.</i> , <i>Brucella spp.</i> , <i>Chlamydia spp.</i>
Virology	Lung	FA, PCR	BHV1, BVDV, BDV
	Spleen	(4) _____	BVD, BDV
Storage	Brain, lung, LN, spleen, thymus, placenta, kidney, liver in VTM		
Immunology	Foetal fluid	IgG	
	Dam fluid		
(1) _____	Tongue, eyelid, diaphragm, lung, abomasum, rumen, skin, small intestines, LN, adrenal gland, kidney, spleen, liver, joint capsule, heart, placenta, (7) _____		

*Brucella spp.*  
Histopathology  
Placenta  
PCR  
*Leptospira spp.*  
Brain  
Stomach Content



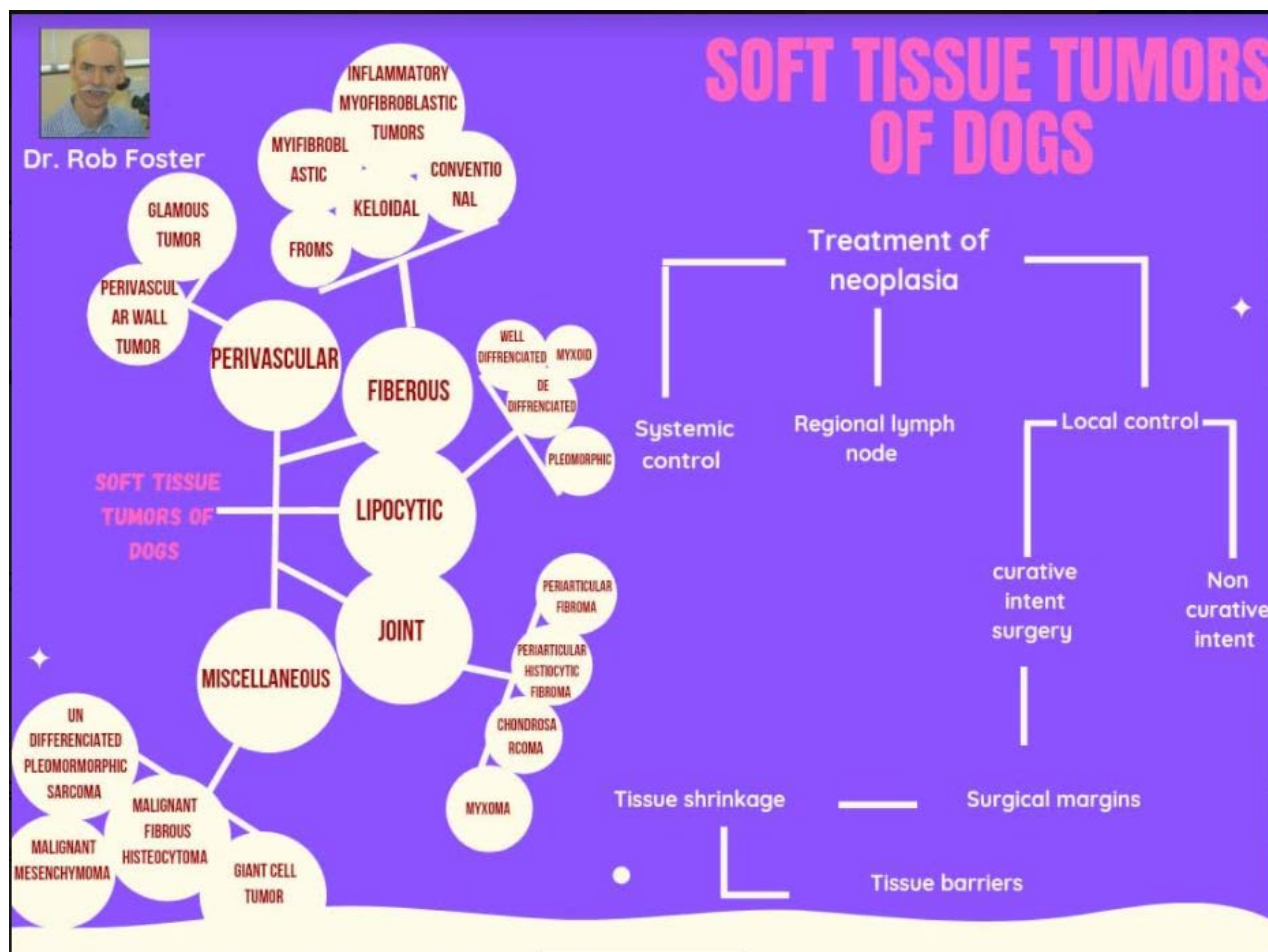
Thank you Dr. Melissa Macías Rioseco for the "Shopping List" !



Participant's Review of Diagnosis of Bovine Abortion 09/04/21

By Laura Setyo BVSc (Hons), MRCVS, MANZCVS (Veterinary Pathology), Diplomate ACVP

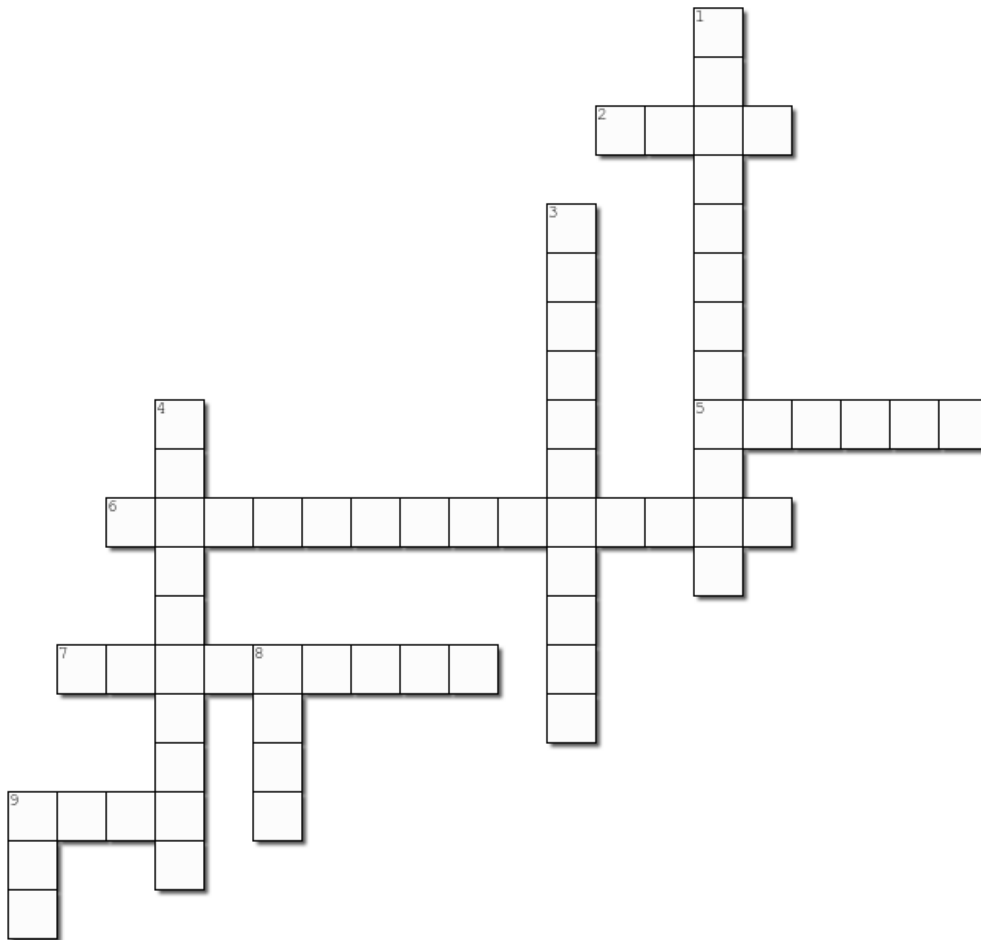
Background photo by [Ryan Scott](#) on [Unsplash](#)



# SEMINAR REVIEWS

## Pathology of the Lymphoid System

Complete the crossword puzzle below



Created using the Crossword Maker on TheTeachersCorner.net

Hemophagocytic

Rubricyte

PAS

Pulp

Iron

Trafficking

Calprotectin

PALS

Myeloblast

CD45RA

### Across

- 2. Found in the spleen and various fruits
- 5. Functional marker for T & B-lymphocytes
- 6. Histiocytic sarcoma that eats things
- 7. Mature erythroid precursor
- 9. A group of friends that is found in the spleen

### Down

- 1. Functional marker for histiocytes
- 3. Migratory lymphocytes on the vascular highway
- 4. Immature myeloid precursor
- 8. More likely to be found in the bone marrow of aged horses & dogs
- 9. This stain highlights granulocytes in bone marrow

# SEMINAR REVIEWS

2do Seminario Guatemalteco de la  
Fundación Davis Thompson

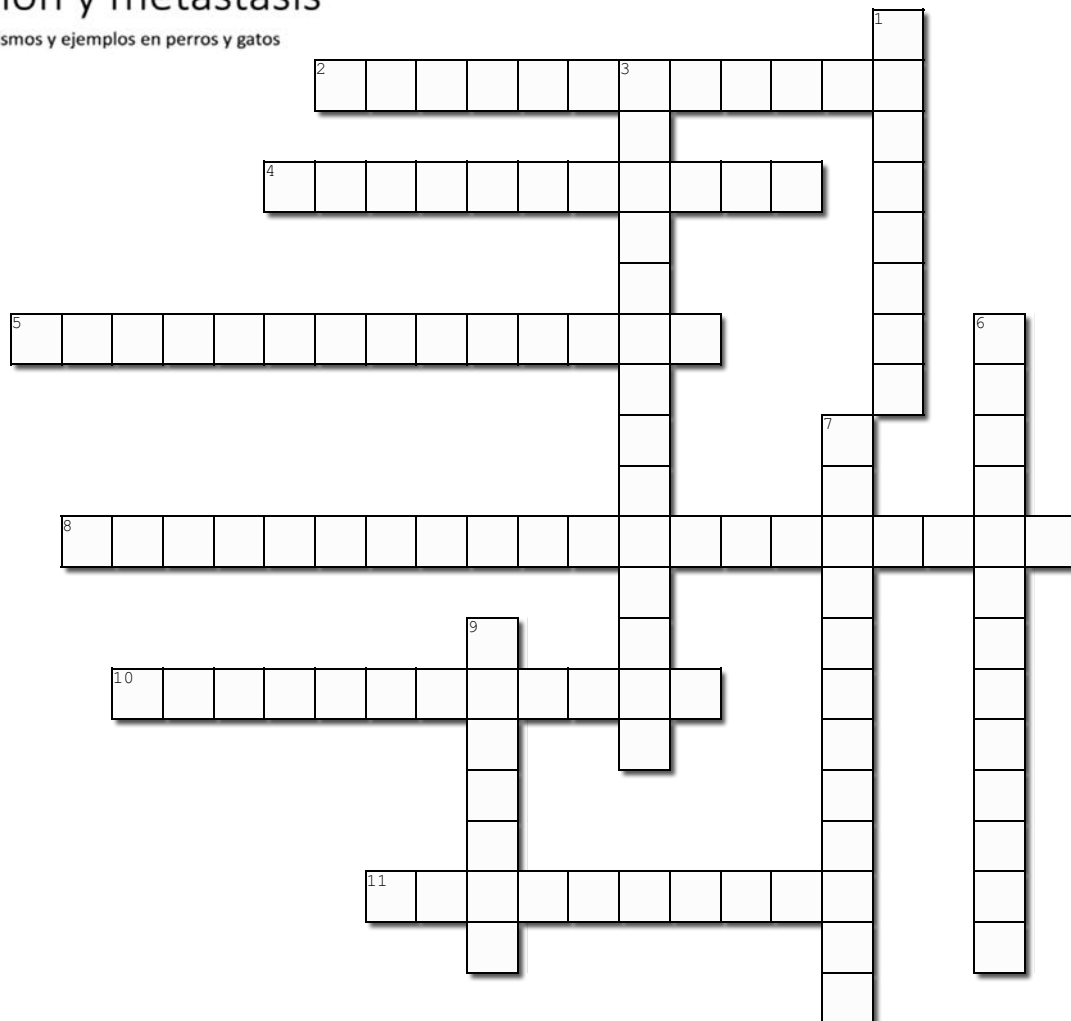


**Dr. Federico Cifuentes.**  
**Universidad de Chile**

## Invasión y metástasis

Por: Sofía Rosales Mtz.

Mecanismos y ejemplos en perros y gatos



### Horizontal

2. Concepto que describe si un tumor está contenido en un espacio definido, sin rebasar barreras anatómicas.
4. Reacción estromal donde hay proliferación marcada de tejido conectivo fibroso en el área tumoral.
5. Efectos sistémicos (síndrome) que suceden en un paciente con cáncer, asociados a la presencia del tumor.
8. Características del medio donde se desarrolla el tumor, que puede favorecer o impedir que el tumor crezca y se disemine.
10. Propiedad de las células tumorales para generar nuevos vasos sanguíneos e invadir.
11. Diseminación de células tumorales de manera regional o a distancia.

Created using the Crossword Maker on TheTeachersCorner.net

### Vertical

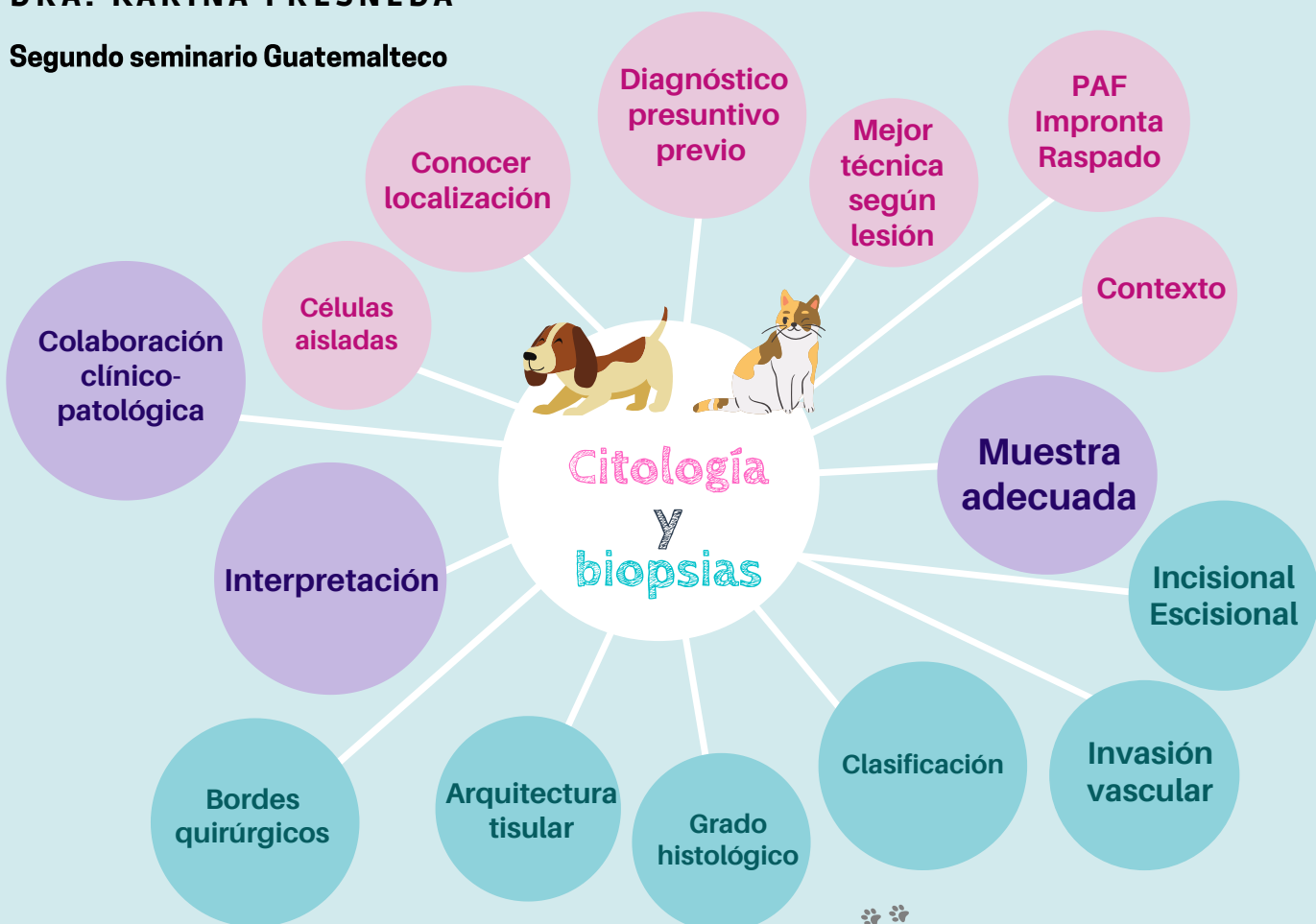
1. Traspaso de barreras anatómicas por parte de las células tumorales.
3. Tipo de metástasis, donde las células se desprenden y se implantan en tejidos adyacentes al tumor primario.
6. Número de células tumorales presentes en un paciente con cáncer. Determina la severidad de efectos sistémicos.
7. Barrera tisular que es invadida por tumores epiteliales malignos.
9. Carcinoma que se encuentra en el estado previo a la invasión.



# SEMINAR REVIEWS

**DRA. KARINA FRESNEDA**

**Segundo seminario Guatemalteco**



Por: Sofía Rosales Martínez FESC-UNAM

## Thanks to all of our fabulous speakers!





# DIAGNOSTIC EXERCISE



## Diagnostic Exercise From The Davis-Thompson Foundation\*

Case #: 163 Month: April Year: 2021

**Contributors:** J. Pablo Velasco Montes de Oca,<sup>1</sup> DVM, Dipl. Cytopathology, MS student (Anatomic Pathology); Mariano Carossino,<sup>2</sup> DVM, PhD, DACVM; Ingeborg M. Langohr,<sup>2</sup> DVM, MS, PhD, DACVP; Rudy Bauer,<sup>2</sup> DVM, PhD, DACVP

<sup>1</sup>Departamento de Patología, Facultad de Medicina Veterinaria y Zootecnia, Universidad Nacional Autónoma de México, Ciudad de México, México.

<sup>2</sup>Louisiana Animal Diagnostic Disease Laboratory (LADDL) and Department of Pathobiological Sciences, School of Veterinary Medicine, Louisiana State University, Baton Rouge, LA, USA.

**Clinical History:** A 1.5-year-old, intact male red kangaroo (*Macropus rufus*) was found dead in its pen and submitted for postmortem examination to the Louisiana Animal Disease Diagnostic Laboratory (LADDL).

**Necropsy Findings:** The thoracic cavity was filled with small amount (approximately 50 ml) of red-tinged fluid. Bilaterally, approximately 90% of the pulmonary parenchyma was dark red to purple and firm and failed to collapse, with some rib impressions on the dorsal surface. The pericardial sac contained approximately 10 ml of red-tinged fluid and the epicardium along the coronary groove had multifocal, short, white streaks.

### Gross and Microscopic Images:

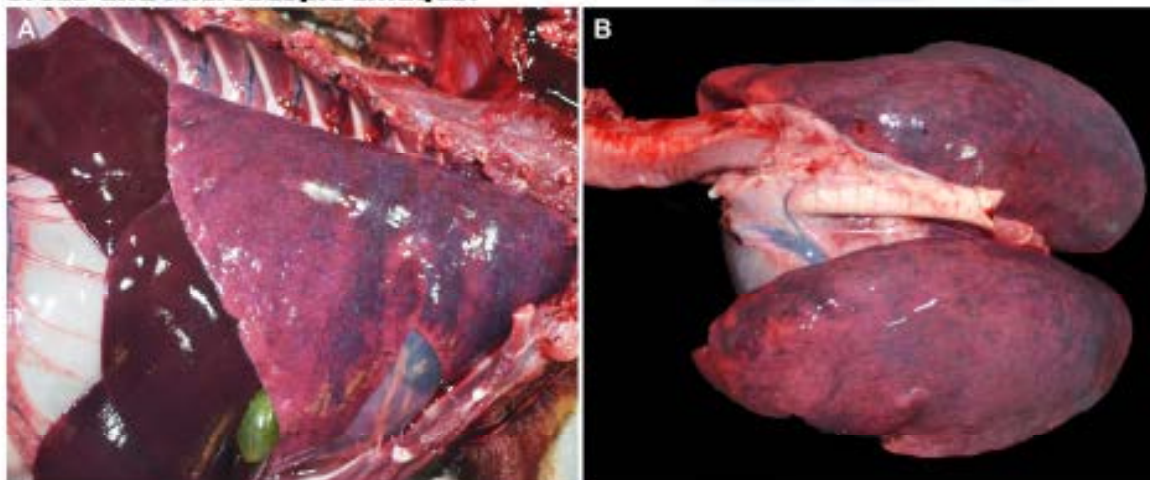


Figure 1: (A) Lateral view of the open thoracic cavity. (B) Lungs, dorsal view after being removed from the thorax.

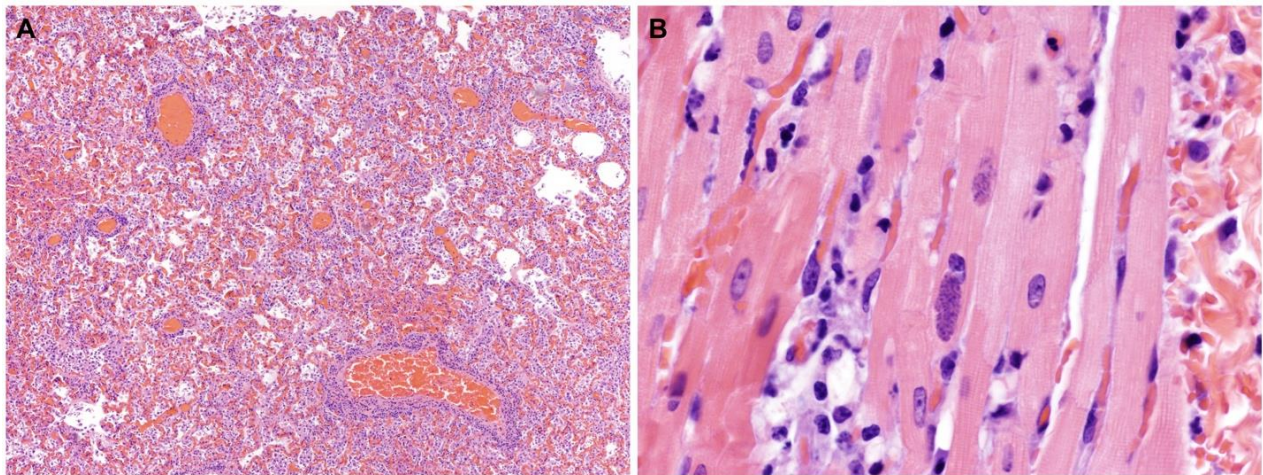


Figure 2: (A) Lung. H&E, 50X. (B) Myocardium. H&E, 400X.

**Follow-up questions:**

- *Histologic description*
- *Morphologic diagnoses*
- *Associated lesions/other organs affected*
- *Possible causes*

\*The Diagnostic Exercises are an initiative of the **Latin Comparative Pathology Group (LCPG)**, the Latin American subdivision of The Davis-Thompson Foundation. These exercises are contributed by members and non-members from any country of residence. Consider submitting an exercise! A final document containing this material with answers and a brief discussion will be posted on the CL Davis website [CLICK HERE FOR ANSWER KEY](#)

**Associate Editor for this Diagnostic Exercise:** Mariano Carossino

**Editor-in-chief:** Claudio Barros.



# WNPRC LAB ANIMAL MEDICINE AND PATHOLOGY SEMINAR

## VII WNPRC & CL Davis Lab Animal Medicine and Pathology Seminar with International Mock-ACLAM Exam\*



**Dr. Andres Mejia**  
WNPR-UW



**Dr. Keith Mansfield**  
Novartis



**Dr. Rebekah Franklin**  
RARC-UW

**Saturday, May 1st (All times in CDT)**

**8:00am-8:05am Introduction**

**Dr. Mejia**

**8:05am-12pm Infectious Diseases of NHPs**

**Dr. Mansfield**

**1:00pm-5:00 pm Non-Infectious Disease of NHPs**

**Dr. Mansfield**

**5:00pm-5:30pm International Mock Exam Coalition**

**(Exam preparatory for ACLAM\*)**

**Dr. Franklin and Dr. Mejia DACVP**

**\*Note:**

- The seminar and exam will be virtual
- Recording of this seminar will not be distributed.
- Information provided during the lectures and exam is not sanctioned by ACLAM or ACVP.
- This seminar is preapproved by the ACVP Maintenance of Certification (MOC) Committee for 4 credits
- This program has been submitted but not yet approved for 8 hours of continuing education credit in jurisdictions which recognize RACE approval.

**Register at:**

[https://us02web.zoom.us/webinar/register/WN\\_D6reizGWRKyryM40-2upAQ](https://us02web.zoom.us/webinar/register/WN_D6reizGWRKyryM40-2upAQ)

# REPRODUCTIVE PATHOLOGY DAY SEMINAR

## Davis-Thompson Foundation Day Seminars



Davis-Thompson  
Foundation

## Reproductive Pathology: Epididymides, Elephants, and the Endometrium

### Tuesday, May 4

Registration fee: \$50\*



9-11 am\*\*

Male reproductive pathology

**Dr. Rob Foster**  
University of Guelph



11:30 am-1:30 pm

Zoo and wildlife  
reproductive pathology

**Dr. Dalen Agnew**  
Michigan State University



1:30-3:30 pm

Placentology for pathologists  
and placental pathology

**Dr. Chris Premanandan**  
The Ohio State University

3:45-4:45 pm

Mystery case session

4:45-5:45 pm

Audience Q&A

\*-This seminar is preapproved by the ACVP Maintenance of Certification (MOC) Committee for 4 credits  
-This program has been approved for 8 hours of continuing education credit in jurisdictions which recognize RACE approval.  
\*\* all times in EDT

[https://us02web.zoom.us/webinar/register/WN\\_jG8UB2kUQquYU2jmpd1WYg](https://us02web.zoom.us/webinar/register/WN_jG8UB2kUQquYU2jmpd1WYg)

The Davis-Thompson Foundation is a volunteer-run, non-profit, registered tax-exempt, donative charity supported by the public. 100% of revenue generated by registration supports our mission.



# AVIAN AND PIG PATHOLOGY SEMINAR

## I Seminario de la Fundación CL Davis-SW Thompson en Bolivia: Patología Aviar y de cerdos

Fecha: Viernes 7 de Mayo 2021  
10 am (Hora de La Paz)  
Formato: Online (zoom)  
En Español



Charlas gratuitas!



**Dr. Roberto Guedes**  
Universidade Federal de Minas Gerais



**Dr. Gabriel Senties-Cue**  
Texas A&M University



**Dr. Francisco Uzal**  
University of California, Davis

### Programa:

10:00-10:10: Bienvenida. Dr. Rodolfo Nallar, representante Fundación en Bolivia.

10:10-12:00: Descripción de lesiones y formulación de diagnóstico morfológico.

Dr. Francisco Uzal.

12:00-13:00: Receso

13:00-15:00: Patologías más frecuentes de aves de producción. Dr. Gabriel Senties-Cue.

15:00-17:00: Patologías más frecuentes de cerdos de producción. Dr. Roberto Guedes.

17:00: Cierre

**Para más información y inscripciones:**

[https://us02web.zoom.us/webinar/register/WN\\_ejmQXTWWTKG5MwwHiNcdXA](https://us02web.zoom.us/webinar/register/WN_ejmQXTWWTKG5MwwHiNcdXA)



# MAY VIRTUAL SEMINARS



Davis-Thompson  
Foundation

## May Virtual Seminars of the Davis-Thompson Foundation and the Latin Comparative Pathology Group

07  
FRIDAY

Cardiac pathology: clinical,  
imaging and pathologic  
correlates

SPONSORED BY DT



**Dr. Taryn A. Donovan**  
Animal Medical Center

[https://us02web.zoom.us/webinar/register/WN\\_rhBd9wYwT1eBZE4p6mjCyg](https://us02web.zoom.us/webinar/register/WN_rhBd9wYwT1eBZE4p6mjCyg)

Evaluating the role of Cancer  
Associated Fibroblasts (CAFs) in  
disease progression

SPONSORED BY DT

14  
FRIDAY



**Dr. Falon Gray**  
Bristol Myers-Squibb

[https://us02web.zoom.us/webinar/register/WN\\_sCR4vw00TGWc1eemA\\_kqfQ](https://us02web.zoom.us/webinar/register/WN_sCR4vw00TGWc1eemA_kqfQ)

The seminars are free and offered via Zoom and hosted by the Davis-Thompson Foundation Webinar Committee.  
Registration is free but required.

FREE MOC credits (each seminar will provide 1 ACVP Maintenance of Certification -MOC-)  
Certificates of attendance will be provided to all who attends the live webinar.

All seminars are at 9-10:30 am (PDT), 10-11:30 am (MDT), 11 am-12:30 pm (CDT), 12-1:30 pm (EDT)

# GROSS PATHOLOGY REVIEW COURSE



## GROSS PATHOLOGY REVIEW COURSE

**05/17**  
**MON**

**05/18**  
**TUE**

**05/19**  
**WED**

**05/20**  
**THU**

**05/21**  
**FRI**

	MON	TUE	WED	THU	FRI
<b>DISEASES OF MICE AND RATS</b> 8 AM - 8:50 AM 9 AM - 9:50 AM  <b>DISEASES OF RABBITS, HAMSTERS, GUINEA PIGS, AND FERRETS</b> 10 AM - 10:50 AM 11 AM - 11:50 AM  <b>DISEASES OF POULTRY</b> 1 PM - 1:50 PM 2 PM - 2:50 PM  <b>DISEASES OF NONHUMAN PRIMATES</b> 3:30 PM - 4:20 PM 4:30 PM - 5:20 PM	<b>DISEASES OF FISH</b> 8 AM - 8:50 AM  <b>DISEASES OF AMPHIBIANS AND REPTILES</b> 9 AM - 9:50 AM  <b>DISEASES OF ZOO/EXOTIC ANIMALS, WILDLIFE AND BIRDS</b> 10 AM - 10:50 AM 11 AM - 11:50 AM  1 PM - 1:50 PM 2 PM - 2:50 PM 3:30 PM - 4:20 PM  <b>MUSKULOSKELETAL DISEASES OF DOMESTIC ANIMALS</b> 4:30 PM - 5:20 PM 5:30 PM - 6:20 PM	<b>REPRODUCTIVE DISEASES OF DOMESTIC ANIMALS</b> 8 AM - 8:50 AM 9 AM - 9:50 AM 10 AM - 10:50 AM 11 AM - 11:50 AM  <b>GASTROINTESTINAL DISEASES OF DOMESTIC ANIMALS</b> 1 PM - 1:50 PM 2 PM - 2:50 PM 3:30 PM - 4:20 PM 4:30 PM - 5:20 PM 5:30 PM - 6:20 PM	<b>OCULAR DISEASES OF DOMESTIC ANIMALS</b> 8 AM - 8:50 AM  <b>HEMATOLYMPHOID DISEASES OF DOMESTIC ANIMALS</b> 9 AM - 9:50 AM 10 AM - 10:50 AM  <b>RESPIRATORY DISEASES OF DOMESTIC ANIMALS</b> 11 AM - 11:50 AM 1 PM - 1:50 PM 2 PM - 2:50 PM  <b>CARDIOVASCULAR DISEASES OF DOMESTIC ANIMALS</b> 3:30 PM - 4:20 PM 4:30 PM - 5:20 PM  <b>MOCK EXAM I</b> 5:30 PM - 6:20 PM	<b>URINARY DISEASES OF DOMESTIC ANIMALS</b> 8 AM - 8:50 AM 9 AM - 9:50 AM  <b>INTEGUMENTARY DISEASES OF DOMESTIC ANIMALS</b> 10 AM - 10:50 AM 11 AM - 11:50 AM  <b>ENDOCRINE DISEASES OF DOMESTIC ANIMALS</b> 11 AM - 11:50 AM 1 PM - 1:50 PM 2 PM - 2:50 PM  <b>NERVOUS SYSTEM DISEASES OF DOMESTIC ANIMALS</b> 3:30 PM - 4:20 PM 4:30 PM - 5:20 PM 5:30 PM - 6:20 PM  <b>MOCK EXAM II</b> 6:30 PM - 7:20 PM	

## FACULTY:

  
**Dr. La Perle**  
 Diseases of Mice and Rats

  
**Dr. Knoblaugh**  
 Diseases of Rabbits, Hamsters, Guinea Pigs and Ferrets

  
**Dr. Borst**  
 Diseases of Poultry

  
**Dr. Keesler**  
 Diseases of Nonhuman Primates

  
**Dr. Shive**  
 Diseases of Fish

  
**Dr. Terio**  
 Diseases of Amphibians and Reptiles  
 Diseases of Zoo/Exotic Animals, Wildlife and Birds

  
**Dr. Corps**  
 Musculoskeletal and Nervous System Diseases of Domestic Animals

  
**Dr. Premanandan**  
 Reproductive Diseases of Domestic Animals  
 Ocular Diseases of Domestic Animals

  
**Dr. Schreeg**  
 Gastrointestinal Diseases of Domestic Animals

  
**Dr. Durham**  
 Hematolymphoid Diseases of Domestic Animals

  
**Dr. Stromberg**  
 Respiratory Diseases of Domestic Animals

  
**Dr. Kohnken**  
 Cardiovascular Diseases of Domestic Animals

  
**Dr. Cianciolo**  
 Urinary Diseases of Domestic Animals

  
**Dr. Jennings**  
 Integumentary Diseases of Domestic Animals

  
**Dr. Murphy**  
 Endocrine Diseases of Domestic Animals

  
**Dr. Oglesbee**  
 Nervous System Diseases of Domestic Animals

Register at:

<https://davisthompsonfoundation.regfox.com/grosspath2021>



# SPANISH SEMINARS 2021

## CL DAVIS & SW THOMPSON DVM FOUNDATION / LATIN COMPARATIVE PATHOLOGY GROUP SPANISH SEMINARS 2021



### Jueves 21 enero



Marti Pumarola  
Facultad de Veterinaria, Barcelona, España  
El diagnóstico en neuropatología:  
más allá de la espongirosis

**Completed**

### Jueves 15 abril



Paola Barato  
CORPAVET y MOLECULARVET SAS  
Bogota, Colombia  
Enfermedades de los peces de agua dulce

**Completed**

### Jueves 11 febrero



Joaquin Ortega  
Universidad CEU Cardenal Herrera, Valencia, España  
Introducción a la dermatopatología y  
reconocimiento de patrones histopatológicos

**Completed**

### Jueves 13 de mayo



Fernando Dutra  
DILAVE "Miguel C. Rubino",  
Treinta y Tres, Uruguay  
Autopsia y neuropatología perinatal  
en bovinos y ovinos

[https://us02web.zoom.us/webinar/register/WN\\_hHO\\_OANWQmimaYsKEYdepg](https://us02web.zoom.us/webinar/register/WN_hHO_OANWQmimaYsKEYdepg)

### Jueves 18 marzo



Valentin Perez  
Facultad de Veterinaria, Universidad de León, España  
Patología del tracto reproductor de la hembra en  
pequeños rumiantes

**Completed**

### Jueves 10 junio



Claudio Barros  
Universidade Federal de Mato Grosso do Sul,  
Campo Grande, Brasil  
Lesiones comunes encontradas en bovinos  
en mataderos

[https://us02web.zoom.us/webinar/register/WN\\_CZ7Wnx35T2KyCdczRcze1g](https://us02web.zoom.us/webinar/register/WN_CZ7Wnx35T2KyCdczRcze1g)

**All seminars at 8-9:30 PST**  
**Each seminar will receive: 1.5 RACE credit and 1 ACVP MOC credit**  
**All seminars are free**

# DESCRIPTIVE VETERINARY PATHOLOGY COURSE

## Davis-Thompson Foundation Virtual Descriptive Veterinary Pathology Course

June 21-25, 2021



Davis-Thompson  
Foundation

**Registration:**

Foundation members: \$250

Non-Foundation members: \$350

MON	TUE	WED	THU	FRI
8:30am-8:45am* Introduction Koehler/ DTF moderator	8:30am-10:00am Microscopic descriptive techniques Koehler	8am-10am Ultrastructural descriptive techniques Pesavento	8am-9:50am Histo test review 1 Digital slides, all graders, Koehler leads	8am-9:50am Histo test review 2 Digital slides, all graders, Koehler leads
8:45am-10:00am Gross descriptive techniques Craig	10:15am-12:00pm Microscopic descriptive techniques Koehler	10:15am-12pm IHC descriptive techniques Pesavento	10am-12pm Histo test 2 Digital slides	10am-11am Open Q+A session with the instructors
10:15am-12:00pm Gross descriptive techniques Craig	1:30pm-3pm Histo interpretation Koehler	1pm-3pm Histo test 1 Digital slides	1pm-3pm Gross test 2 and review (Pesavento leads)	12:30pm-2:30pm Intro to pathology reporting in drug discovery and tox path Shrader
1:30pm-3:00pm Gross descriptive techniques Craig	3:30pm-4:30pm Introduction to rubrics: peer-grading exercise Koehler	3:30pm-5:30pm Gross test 1 and review (Craig leads)	3:30pm-5pm Cognitive errors in Veterinary diagnostic pathology Stromberg	
3:30pm-5:00pm Macro-micro correlation Pesavento				

This program has been approved for 21 hours  
of continuing education credit in  
jurisdictions which recognize RACE approval

\*All times are US Central Daylight Time  
Note that the schedule is subject to minor changes  
at the discretion of the instructors.

<https://davisthompsonfoundation.regfox.com/descriptive-path-course-2021>





# VOICES IN PATHOLOGY: ASIAN AMERICANS

## Special Seminar Davis-Thompson Foundation VOICES IN PATHOLOGY: ASIAN AMERICANS



Davis-Thompson  
Foundation

**Friday, May 28th**  
11 am - 1pm (CDT)



**Dr. Denise Imai-Leonard**  
UC Davis



**Dr. Wilson Yau**  
Antech Diagnostics



**Dr. Mee Ja M. Sula**  
University of Tennessee



**Dr. Richard Luong**  
IDEXX



**Dr. Kaori Sakamoto**  
University of Georgia

FREE RACE and MOC credits. This seminar will provide  
2 (non-medical) RACE and 1 ACVP Maintenance of  
Certification (MOC) credit

For more information and registration:

[https://us02web.zoom.us/webinar/register/WN\\_k2ylDyeHSOSxF1kSx5501w](https://us02web.zoom.us/webinar/register/WN_k2ylDyeHSOSxF1kSx5501w)

# AUSTRALIAN SATURDAY SEMINARS



**Davis Thompson Foundation**  
**Australian Saturday virtual seminars**  
**First semester 2021**

**AAPSP**  
 Australian Animal Pathology Standards Program

**ASVP**  
 Australian Society for Veterinary Pathology

Each one of these seminars will provide 1.5 RACE and 1 ACVP Maintenance of Certification (MOC) credit  
 Please double check session times against 11am AEDT (Sydney) in all Australian locations.

**Renal pathology**  
 Jan 29th (US)  
 Jan 30th (AUS)

Los Angeles, CA, USA PST Fri Jan 29th 4:00-6:00 pm  
 Sydney, Australia AEDT Sat 30th Jan 11:00-1:00 pm  
 Brisbane, Australia AEST Sat 30th 10:00 am-12 noon  
 Perth, Australia AWST Sat 30th 8:00 am-10:00 am

**Dr. Rachel Cianciolo**  
 The Ohio State University, US

**Equine reproductive pathology: Failure of pregnancy**  
 Feb 19th (US)  
 Feb 20th (AUS)

Los Angeles, CA, USA PST Fri 19th 4:00-6:00 pm  
 Sydney, Australia AEDT Sat 20th 11:00-1:00 pm  
 Brisbane, Australia AEST Sat 20th 10:00 am-12 noon  
 Perth, Australia AWST Sat 20th 8:00 am-10:00 am

**Dr. Rob Foster**  
 University of Guelph, Canada

**Tumors of soft Tissues, (including assessment of surgical margins)**  
 Mar 19th (US)  
 Mar 20th (AUS)

Los Angeles, CA, USA PDT Fri 19th 5:00 pm-7:00 pm  
 Sydney, Australia AEDT Sat 20th 11:00 am-1:00 pm  
 Brisbane, Australia AEST Sat 20th 10:00 am-12:00 pm  
 Perth, Australia AWST Sat 20th 8:00 am-10:00 am

**Dr. Rob Foster**  
 University of Guelph, Canada

**Cell death**  
 Apr 16th (US)  
 Apr 17th (AUS)

Los Angeles, CA, USA PDT Fri 16th 6:00 pm-8:00 pm  
 Sydney, Australia AEDT Sat 17th 11:00 am-1:00 pm  
 Brisbane, Australia AEST Sat 17th 11:00 am-1:00 pm  
 Perth, Australia AWST Sat 17th 9:00 am-11:00 am

**Dr. Josh Webster**  
 Genentech, US

**Diseases of Australian marsupials**  
 May 21st (US)  
 May 22nd (AUS)

Los Angeles, CA, USA PDT Fri 21st 6:00 pm-8:00 pm  
 Sydney, Australia AEDT Sat 22nd 11:00 am-1:00 pm  
 Brisbane, Australia AEST Sat 22nd 11:00 am-1:00 pm  
 Perth, Australia AWST Sat 22nd 9:00 am-11:00 am

**Dr. Lucy Woolford**  
**Dr. Hannah Bender**  
 University of Adelaide &  
 Taronga Conservation Society, Australia

**Aquatic animal diseases**  
 Jun 25th (US)  
 Jun 26th (AUS)

Los Angeles, CA, USA PDT Fri 25th 6:00 pm-8:00 pm  
 Sydney, Australia AEDT Sat 26th 11:00 am-1:00 pm  
 Brisbane, Australia AEST Sat 26th 11:00 am-1:00 pm  
 Perth, Australia AWST Sat 26th 9:00 am-11:00 am

**Dr. Sal Frasca**  
 University of Connecticut

Registration is free but required:

Australian marsupials: [https://us02web.zoom.us/webinar/register/WN\\_WFjWiFXsSoGQI2CckVfxdQ](https://us02web.zoom.us/webinar/register/WN_WFjWiFXsSoGQI2CckVfxdQ)

Aquatic animals: [https://us02web.zoom.us/webinar/register/WN\\_CabF9y5OQMSvb\\_HIB8lwAg](https://us02web.zoom.us/webinar/register/WN_CabF9y5OQMSvb_HIB8lwAg)



# BRAZILIAN SEMINARS



## Seminários virtuais da Associação Brasileira de Patologia Veterinária, Latin Comparative Pathology Group e Davis/Thompson Foundation\*




**10/03**  
**6 - 7:30PM**

### Patologia suína

Dr. David Diremeier (UFRGS)  
Dr. Roberto Guedes (UFMG)

**Completed**



**14/04**  
**6 - 7:30PM**

### Linfomas caninos: Correlacionando citologia e histologia

Dr. Fabrizio Grandi (VetSchoolSP)

**Completed**



**12/05**  
**6 - 7:30PM**

### Dermatopatologia

Dra. Juliana Werner (Laboratório Werner&Werner)

[https://us02web.zoom.us/webinar/register/WN\\_3zE7nRyCQAmAlKKCU0qFYw](https://us02web.zoom.us/webinar/register/WN_3zE7nRyCQAmAlKKCU0qFYw)



**16/06**  
**6 - 7:30PM**

### Patologia bovina

Dr. Ricardo Lemos (UFMS)

[https://us02web.zoom.us/webinar/register/WN\\_USFPkLFLT8qcOdgrboU82g](https://us02web.zoom.us/webinar/register/WN_USFPkLFLT8qcOdgrboU82g)



**07/07**  
**6 - 7:30PM**

### Patologia neonatal canina

Dra. Tayse Domingues de Souza (UVV)

[https://us02web.zoom.us/webinar/register/WN\\_nLjWSj2XQ908b-qiQ92VEQ](https://us02web.zoom.us/webinar/register/WN_nLjWSj2XQ908b-qiQ92VEQ)

\* Todas as palestras serão em português  
Todas as palestras ocorrem no horário de Brasília  
Todas as palestras são gratuitas e oferecidas através da plataforma Zoom  
Cada palestra proverá 1 crédito ACVP MDC (Maintenance of Certification)

# 2021 CLASS / POLA COURSE

## 2021 CLASS / POLA Virtual Course

July 31 – August 1, 2021 (CLASS)

August 2 - 6, 2021 (POLA)



Davis-Thompson  
Foundation

### CURRENT LABORATORY ANIMAL SCIENCE SEMINAR (CLASS)

Preparing for the ACLAM boards  
The Animal Welfare Act and Its Consequences  
PHS Policy and FAQs  
FASS The Ag Guide  
NRC Guide for the Care and Use of Laboratory Animals

### PATHOLOGY OF LAB ANIMALS (POLA)

Pathology of the Mouse  
Pathology of the Rat  
Pathology of Aging Rodents  
Pathology of Non-Human Primates  
Clinical Pathology of Lab Animals  
Pathology of the Rabbit  
Anatomy and Diseases of Laboratory Fish  
Diseases of Amphibians  
Pathology of the Guinea Pig, Hamster, and Gerbil  
Pathology of Mini-pigs  
Pathology of the Ferret  
2 PATHOLOGY MOCK EXAMS! (Only for the live version)



Dr. Sarah Bro  
ACLAM Foundation



Dr. Michael Bencivenga  
US Army



Dr. Julie Sharp  
UCSF



Dr. Robert Kim  
US Army



Dr. Ingrid Bergin  
University of Michigan



Dr. Heather Tillman  
St. Jude Children's  
Research Hospital



Dr. Teresa Southard  
Cornell University



Dr. Amanda Beck  
Albert Einstein  
College of Medicine



Dr. Laura Cregar  
Charles River  
Laboratories



Dr. Emily Corbin  
Joint Pathology Center



Dr. Jeff Wolf  
Experimental Pathology  
Laboratories



Dr. Sarah Cudd  
Joint Pathology Center



Dr. Angela Brice  
University of Pennsylvania

### Registration:\*

**LIVE: \$250 (Foundation members) / \$350 (Non-members)**

**REBROADCAST: \$100 (Foundation members) / \$200 (Non-members)**

\*A limited number of need-based scholarships will be offered

- This seminar is preapproved by the ACVP Maintenance of Certification (MOC) Committee for 20 credits
- This program has been approved for 12 hours (CLASS) and 32 hours (POLA) of continuing education credit in jurisdictions which recognize RACE approval.
- The Davis-Thompson Foundation is a volunteer-run, non-profit, registered tax-exempt, donative charity supported by the public. 100% of revenue generated by registration supports our mission.

Register at:

<https://davisthompsonfoundation.regfox.com/2021pola>



# MOUSE PATHOLOGY

**Davis-Thompson Foundation  
European Division Symposium**

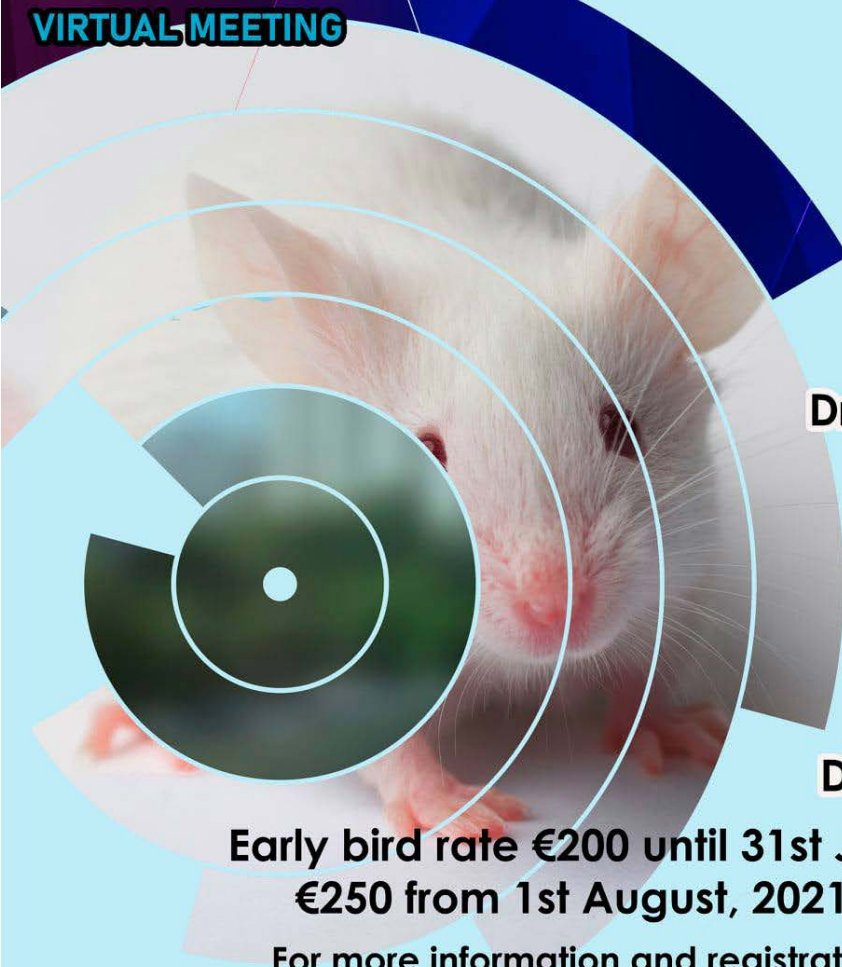


# MOUSE PATHOLOGY

**13-14 September 2021**



**VIRTUAL MEETING**



**Dr. Cory Brayton**



**Dr. Denise Imai**

**Early bird rate €200 until 31st July,  
€250 from 1st August, 2021**

**For more information and registration:**

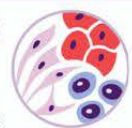
**<https://www.eventbrite.co.uk/e/davis-thompson-foundation-european-symposium-2021-tickets-140987827387>**

# 2021 ACVP PRE-CONFERENCE WORKSHOP

## SAVE THE DATE



**ACVP**  
AMERICAN COLLEGE OF  
VETERINARY PATHOLOGISTS



2021 ACVP Pre-Conference Workshop

## Soft Tissue Tumors are "Hard": Current Perspectives



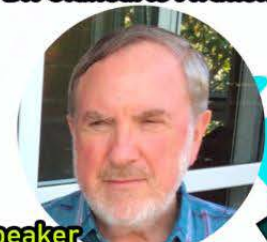
**Dr. Paola Roccabianca**



**Dr. Giancarlo Avallone**



**Dr. F. Yvonne Schulman**



**Guest Speaker**

**Dr. Brian Summers**



Speakers will present material from the third volume of the series, *Surgical Pathology of Tumors of Domestic Animals: Tumors of Soft Tissues*, with a special guest lecture by Dr. Brian Summers.

**Date:** Saturday, October 30 2021

**Time:** 8:00am - 5:00pm (Pacific time)

**Venue:** The 2021 ACVP/ASVCP Concurrent Annual Meeting and this pre-conference are scheduled for a hybrid format, with face-to-face meetings in Seattle and virtual components\*

\*Note: We will continue to monitor the pandemic in the coming months and may need to make adjustments to the format, depending on evolving circumstances.



# 2021 NORTHEASTERN VETERINARY PATHOLOGY CONFERENCE

2021 Northeastern Veterinary  
Pathology Conference  
September 17th - 18th



**VIRTUAL  
SEMINAR**

**Guest speaker**

**Dr. Jesse Hostetter**  
**University of Georgia**



**Guest speaker**

**Dr. Paco Uzal**  
**University of California**



**CASE PRESENTATIONS**

EMPHASIS ON GASTROINTESTINAL CASES

Register at [https://us02web.zoom.us/webinar/register/WN\\_8E-JaPI-rQ-aMEorkEXMhMg](https://us02web.zoom.us/webinar/register/WN_8E-JaPI-rQ-aMEorkEXMhMg)

If you would like to present a case, please contact course director Dr. Sarah Cudd  
at [skcuddvdm@gmail.com](mailto:skcuddvdm@gmail.com) ASAP to determine availability

## ARGENTINIAN MEETING (RAPAVE)

# XII REUNIÓN ARGENTINA DE PATOLOGÍA VETERINARIA 2021

**14° Seminario de la Fundación  
C.L. Davis-S.W. Thompson**

**11 al 14 de octubre**  
**MODALIDAD VIRTUAL**  
**INTA Balcarce**



Ministerio de Agricultura,  
Ganadería y Pesca  
Argentina

<http://intrabalc.inta.gob.ar/RAPAVE>



# BSTP CORNER



## DATES FOR FUTURE EVENTS TO BE ORGANISED BY THE BSTP:

Future BSTP events are as follows:

6th – 15th July 2021	CES 4 - Respiratory System
10th, 11th & 12th November 2021 (TBC)	36th Annual Scientific Meeting – Pathology of Mice with a Human Immune System
November 2021	BSTP Annual General Meeting
8th – 17th March 2022	CES 5 - Male Reproductive System
5th – 14th July 2022	CES 6 - Female Reproductive System
November 2022	37th Annual Scientific Meeting & AGM
March 2023	CES 7 - Infectious diseases in laboratory animals
July 2023	CES 8 - Nervous System
November 2023	38th Annual Scientific Meeting & AGM
March 2024	CES 9 - Urinary System
July 2024	CES 10 - Digestive System
November 2024	39th Annual Scientific Meeting & AGM
March 2025	CES 11 - Cardiovascular System
July 2025	CES 12 - Endocrine System
November 2025	40th Annual Scientific Meeting & AGM
March 2026	CES 13 - Urinary System
July 2026	CES 14 - Lymphoid & Haematopoietic Systems
November 2026	41st Annual Scientific Meeting & AGM
March 2027	CES 15 - Musculoskeletal System & Skin

The order of the CES will depend on the availability of high-quality speakers who are world experts in their particular field to present at the relevant meeting.

For details of webinars visit - <http://www.bstp.org.uk/events/bstp-webinars/> or <http://www.bstp.org.uk/non-bstp-events-and-webinars/>

If you would like to receive information on any of these events as soon as the information becomes available, you need to make sure that the BSTP have your contact details on the mailing list.

You can withdraw your consent to receive communications from the BSTP at any time, by means of a written/emailed request for removal from the database.

Although the BSTP is in contact with similar organisations in Europe and the USA it is the policy of the BSTP NOT to pass on details of our mailing list.

The BSTP's Data Protection Policy can be found at <http://www.bstp.org.uk/governance/>

For more information on any of these meetings, keep checking the website - <http://www.bstp.org.uk/events> or contact the BSTP Secretariat - [bstpoffice@aol.com](mailto:bstpoffice@aol.com)

**Details of future meetings are correct at the time this information is produced, the BSTP will not be held responsible for any changes to dates, venues and topics of these events.**

If you have any queries, or require further information regarding this symposium, please contact:

BSTP | PO Box 819 | Harrogate HG1 9DF | North Yorkshire | UK

Tel: +44 (0)1789 123 533

Email: [bstpoffice@aol.com](mailto:bstpoffice@aol.com)

Website: [www.bstp.org.uk](http://www.bstp.org.uk)

# BSTP CORNER



## BRITISH SOCIETY OF TOXICOLOGICAL PATHOLOGY

### Notice of Future Meetings

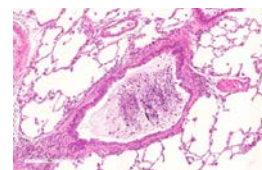


Virtual Continuing Education Symposium 4: Respiratory System

6th - 15th July 2021

Tuesday, Wednesday, and Thursday

13.00 - 16.30 (GMT+1/UCT+1)



CES 4 will be held as a virtual event using Zoom on the afternoons of Tuesday 6th, Wednesday 7th, Thursday 8th, Tuesday 13th, Wednesday 14th and Thursday 15th July 2021, from 13.00 - 16.30 (GMT+1/UCT+1) each day.

20% of the places have already been taken for this symposium, with numbers limited to a maximum of 50 delegates - registration for this symposium is still open and will close at midnight on 18th June 2021.

Approved by the Royal Society of Biology for purposes of CPD, this event may be counted as 54 CPD Credits.

Approximately 18.5 hours of educational activity will be recorded on Attendance Certificates. For those delegates who wish to self-accredit for CPD, proof of attendance should be retained for this purpose.

This Continuing Education Symposium will provide an intermediate level symposium on the respiratory system including challenges in inhaled drug discovery and development, background findings of the respiratory tract in rodents and non-rodents, translatable models of COPD, and regulatory requirements for inhalation toxicology. The format will include presentations, case histories and active participation of delegates.

For more details (including bursary information) visit –

<http://www.bstp.org.uk/events/ces-4-respiratory-system/>

The 36th Annual Scientific Meeting of the BSTP

Pathology of Mice with a Human Immune System

Wednesday 10th, Thursday 11th and Friday 12th November 2021 (Provisional dates)



The 36th ASM will be held as a virtual event using Zoom on the afternoons of Wednesday 10th, Thursday 11th and Friday 12th November 2021, from 13.00 – 17.00 (GMT+0/UCT+0) each day.

**Continuing Professional Development:** Royal Society of Biology CPD credits will be applied for.

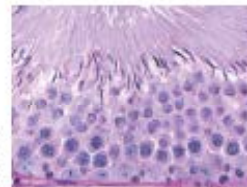
Immunodeficient mice reconstituted with a human immune system are increasingly used for modelling the human immune compartment in numerous preclinical applications, such as adoptive cell therapy and immuno-oncology studies. With the advent of new Advanced Therapy Medicinal Products, humanised mice are a key component of efficacy and safety assessment in preclinical programmes, including GLP studies. However, limited information is available concerning the morphological aspects of human cell engraftment and the spectrum of spontaneous and experimentally induced histopathological lesions occurring in these mice.

Registration will open in May/June 2021, keep checking the website for up-to-date information, including details of bursaries - <http://www.bstp.org.uk/events/the-36th-asm-of-the-bstp/>

# BSTP CORNER



## Virtual Continuing Education Symposium 5: Male Reproductive System Tuesday 8th – Thursday 17th March 2022 13.00 – 16.30 (GMT+0/UCT+0)



*CES 5 will be held as a virtual event using Zoom on the afternoons of Tuesday 8th, Wednesday 9th, Thursday 10th, Tuesday 15th, Wednesday 16th and Thursday 17th March 2022, from 13.00 – 16.30 (GMT+0/UCT+0) each day.*

**Continuing Professional Development:** *Royal Society of Biology CPD credits will be applied for.*

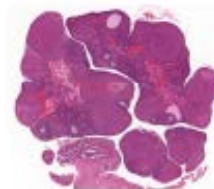
This Continuing Education Symposium will cover an overview of the male reproductive system in preclinical animal species.

Detailed information, including the programme and a registration form will be available in September/October 2021.

If you would like further information, have any queries or would like to reserve a place, please contact the BSTP Secretariat – [bstpoffice@aol.com](mailto:bstpoffice@aol.com)

or visit <http://www.bstp.org.uk/events/ces-5-male-reproductive-system/>

## Virtual Continuing Education Symposium 6: Female Reproductive System Tuesday 5th – Thursday 14th July 2022 13.00 – 16.30 (GMT+1/UCT+1)



*CES 6 will be held as a virtual event using Zoom on the afternoons of Tuesday 5th, Wednesday 6th, Thursday 7th, Tuesday 12th, Wednesday 13th and Thursday 14th July 2022, from 13.00 – 16.30 (GMT+1/UCT+1) each day.*

**Continuing Professional Development:** *Royal Society of Biology CPD credits will be applied for.*

This Continuing Education Symposium will cover an overview of the female reproductive system in preclinical animal species.

Detailed information, including the programme and a registration form will be available in December 2021/January 2022.

If you would like further information, have any queries or would like to reserve a place, please contact the BSTP Secretariat – [bstpoffice@aol.com](mailto:bstpoffice@aol.com)

or visit <http://www.bstp.org.uk/events/ces-6-female-reproductive-system/>



# IDEXX CASECONNEXX CORNER

**SIGNALMENT:** 3 yo, female Labrador Retriever, Canine

**SOURCE / HISTORY:** Spleen. Abdominal ultrasound showed numerous enlarged lymph nodes and hypoechoic nodules in spleen. Dog in critical condition. Blood work: Moderate microcytic non-regenerative anemia, mild lymphopenia, slightly decreased albumin. Also submitted: Abdominal lymph node aspirates, pleural effusion with cultures, fever of unknown origin RealPCR panel, Coccidioides serology, and rapid growing Mycobacterium culture.

## MICROSCOPIC DESCRIPTION:

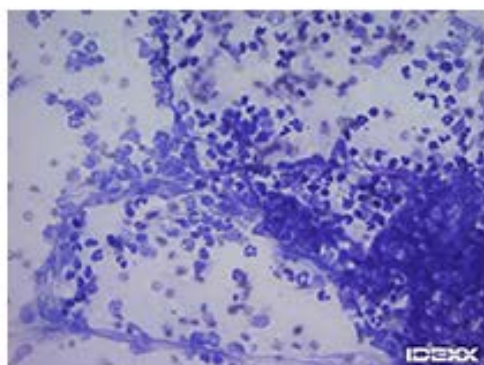
Slides are of moderate focal cellularity and consist of poorly preserved inflammatory cells in a pale blue tissue fluid background with streaming nuclear chromatin from ruptured cells and mild blood. Recognizable inflammatory cells consist of neutrophils with rare lymphocytes. Rare fungal hyphae are noted within clumps of inflammatory cells. Hyphae are pigmented, septate, and branching with parallel appearing walls. No splenic stroma, definitive lymphoid tissue, or overtly neoplastic cells are seen.

## CYTOLOGIC INTERPRETATION / COMMENTS:

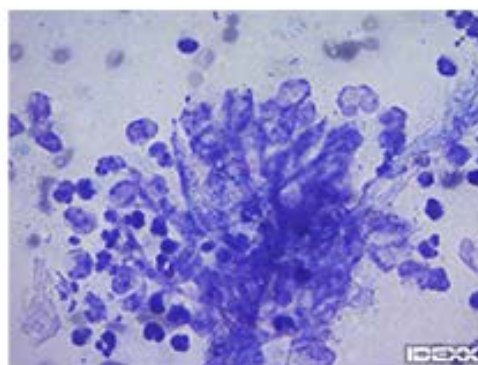
Spleen: Marked neutrophilic inflammation with fungal hyphae

Neutrophilic inflammation in the spleen suggests splenitis, necrosis, abscessation, EMH or inflammation secondary to neoplastic infiltrate. Low numbers of pigmented septate occasionally branching fungal hyphae are observed which is concerning for disseminated fungal infection. Fungal culture or PCR will be needed for definitive identification.

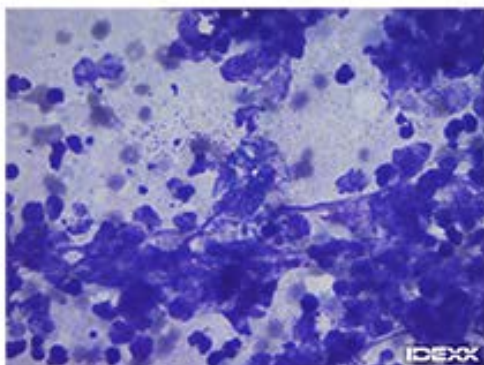
Abdominal lymph node aspirates revealed mixed inflammation, but no fungal organisms. The pleural effusion was classified as an exudate with no infectious agents seen and culture results were negative. The FUO RealPCR panel, Coccidioides serology, and rapid growing Mycobacterium culture were all negative.



FNA 50X Magnification



FNA 100X Magnification



FNA 100X Magnification

**IDEXX**  
**CaseConnexx**

Visit [CaseConnexx.com](https://www.caseconnexx.com) to register

\*Continue to the next page for the histo on this case\*



## IDEXX CASECONNEXX CORNER

**MICROSCOPIC INTERPRETATION OF BIOPSY:** Spleen: Disseminated granulomatous inflammation with abundant necrosis. GMS stain: Positive for fungal hyphae

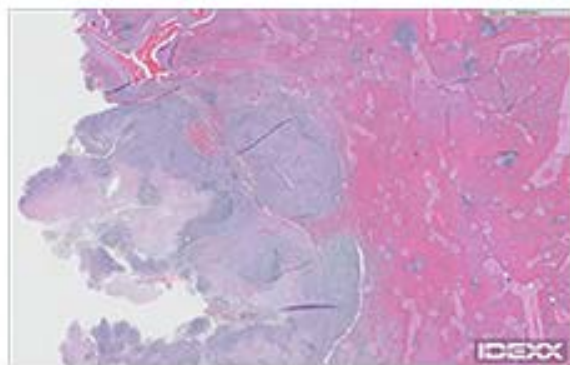
**COMMENTS:** The splenic tissue received contains evidence consistent with disseminated granulomatous inflammation, highly suspicious for fungal disease. There are rare spherical outlines, suspicious for yeasts, however, definitive identification on H&E stains is not possible.

GMS stain was applied to the tissues and revealed myriad fungal hyphae within the splenic tissue. Hyphae have parallel walls, septate, acute angle branching, and measure 2  $\mu$ m diameter thick. There are some forms of bulbous dilations measuring 5  $\mu$ m diameter. Based on morphology, a differential is *Aspergillus* spp.; however, fungal PCR or cultures would be required for definitive identification of this organism.

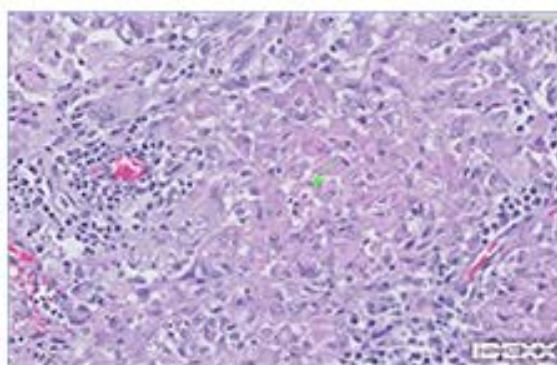
**ADDITIONAL INFORMATION/REFERENCES:** When fungal infections are caused by dimorphic fungi (*Histoplasma capsulatum*, *Sporothrix schenckii*, *Blastomyces dermatitidis*, *Cryptococcus* spp., and *Coccidioides* spp.) diagnosis can generally be made on cytology and/or histopathology. With filamentous fungi, morphologic characteristics including the presence or absence of septa, branching, pseudohyphal structures, and pigment help with classification; however, to obtain a definitive diagnosis, fungal culture or PCR is required.

The morphology of the fungal hyphae in this case suggest disseminated aspergillosis which is generally seen in German shepherd dogs in California, but has been reported elsewhere and with other breeds. Various species of *Aspergillus* have been implicated and patients become infected via inhalation with subsequent hematogenous spread. The prognosis for sick dogs is generally poor.

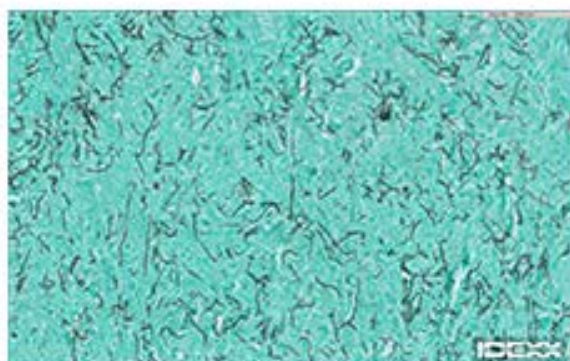
Day MJ. Canine disseminated aspergillosis. In: Greene CE ed. Infectious Diseases of the Dog and Cat 4th ed. St. Louis; Elsevier, 2012:662-6.



Biopsy Section



Biopsy Section - Higher Magnification




GMS Stain

**IDEXX**

**CaseConnexx**

Visit [CaseConnexx.com](https://www.caseconnexx.com) to register

# MISCELLANEOUS ANNOUNCEMENTS



**AAVLD Histopathology Slide Sets available!**

Slide sets of cases presented at the 63<sup>rd</sup> Annual AAVLD Meeting 2020 diagnostic histopathology seminar are now available for purchase for \$60 per box, includes shipping to North America.

\*Contact Asli Mete ([amete@ucdavis.edu](mailto:amete@ucdavis.edu)) for questions or purchase.

Great for resident training!



**British Society of Veterinary Pathology**  
Advancing Education in Veterinary Pathology

## Conference programme

**From The Clinic to the Scope & Back Again:**  
Clinicopathological correlations in small animal & equine medicine

Virtual Conference



Dr Laureen Peters  
Universität Bern



Prof Paul Stromberg  
The Ohio State University



Prof Sharanne Raidal  
Charles Sturt University



Dr Penny Watson  
University of Cambridge



Prof Paco Uzal  
UC Davis



Dr Fernando Constantino-Casas  
University of Cambridge

**Cognitive errors**  
**Small animal liver disease**  
**Equine gastrointestinal disease**  
**Wednesday 16th June**  
**9:00-17:45 BST**  
**or on-demand**

- Equine Gastric Ulcer Syndrome  
Prof. Sharanne Raidal
- Gastrointestinal biopsies in horses  
Prof. Francisco Uzal
- Canine and Feline liver sampling: Communication between Clinician and Pathologist really makes a difference  
Dr. Penny Watson and Dr. Fernando Constantino-Casas
- Cytology of the Liver: Indicated or Overrated?  
Dr. Laureen Peters
- Cognitive Errors in Veterinary Diagnostic Pathology: Why we make mistakes and how to mitigate the risk  
Prof. Paul Stromberg
- A case-based discussion of dealing with uncertainty in biopsy cases  
Prof. Paul Stromberg

[www.bsvp.org](http://www.bsvp.org)



# MISCELLANEOUS ANNOUNCEMENTS



## Become a member of the Latin Comparative Pathology Group



**LCPG:**

- Provides Diagnostic Exercises
- Offers travel awards
- Coordinates externships in US labs for Latin Americans
- Organizes and lectures in Latin American seminars and courses

### Membership Fees:

\$50 - Professionals in US, Canada, and Europe

\$30 - Professionals in Latin America

\$25 - Students in US, Canada, and Europe

\$15 - Students in Latine America

[CLICK HERE](#) to learn more.

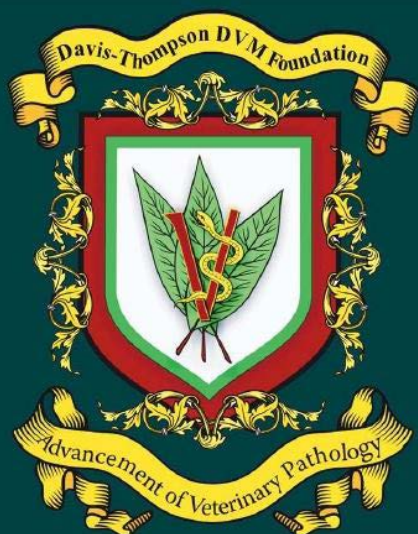
Use this link to join: <https://davisthompsonfoundation.regfox.com/lcpg-membership>

LCPG is the proud Latin American Division of the Davis Thompson Foundation

# MISCELLANEOUS ANNOUNCEMENTS

## Surgical Pathology of Tumors of Domestic Animals

Edited by M. Kiupel



### Volume 3: Tumors of Soft Tissue

P. Roccabianca, F. Y. Schulman,  
G. Avallone, R. A. Foster, J. L. Scruggs,  
K. Dittmer, M. Kiupel

[CLICK HERE](#) to order your copy today!

## RETIRING?

Have slides left over from your recent slide seminar? Just looking to free up some storage space? The Foundation is looking for additional glass slides, kodalchromes and other similar materials for its Correspondence Division and Study Centers. All materials should be well identified with as much accompany history and discussion as possible, as these materials are expressly used for teaching. Moreover, as the Foundation is a publicly donative charity, all donated materials are tax-deductible. For more information, please contact Dr. Bruce Williams at [bruce.h.williams.dvm@gmail.com](mailto:bruce.h.williams.dvm@gmail.com).

## EXTERNSHIP OPPORTUNITY!

### Davis-Thompson Foundation Pathology Externship

Since 1980, the Davis-Thompson Foundation lab sites have hosted more than 125 veterinary students at 8 participating diagnostic laboratories. These students usually have a strong interest in pathology itself or zoo or poultry medicine that require a strong pathology background. The Foundation is always interested in having veterinary students apply for an externship and we would like to add more externship sites that do not usually have veterinary students, to help increase their interest and knowledge of pathology with some off-campus experience. For more information, contact Dr. Jim Britt, [jobritt@sbcglobal.net](mailto:jobritt@sbcglobal.net); 501-912-1449.

## NEWS FROM THE STP

Calling all students and residents curious about toxicologic pathology!

The Student/Resident Corner (SRC) is a new addition to the Society of Toxicologic Pathology's website that aims to provide community and resources to help you learn more about this career path and connect with others interested in the field. It includes a calendar of upcoming events, information on previous speakers/training institution program (STIP) visits, externships, scholarships/awards, and profiles of our student liaisons and current pathologists working in the field. It is free, available to all students, and can be accessed under the student tab on the STP website homepage.

[CLICK HERE](#) to go directly to the SRC homepage.



# MISCELLANEOUS ANNOUNCEMENTS



**Are you a pathology trainee?**  
Join the Latin Comparative Pathology Group (LCPG) for free in 2021

**Dear Pathology Trainees:**

The LCPG has grown significantly lately and a plethora of training activities are currently being offered and planned for the future.

We are aware of the financial impact COVID-19 has had in the economy of multiple countries, particularly in Latin America. For this reason, and **ONLY FOR 2021**, the LCPG will waive fees for trainees.

Becoming a member of the LCPG allows students to apply for any of the many great scholarships and awards the LCPG is offering and will continue to offer this year. Members of the LCPG may also register for any of the Davis-Thompson Foundation seminars at member's rate.

Make sure you do not miss out on this opportunity! Become a member today by:

1. Completing the form below
2. Letter of your professor or supervisor stating that you are a trainee
3. Send both documents to [lcpgsecretary@gmail.com](mailto:lcpgsecretary@gmail.com)



# MISCELLANEOUS ANNOUNCEMENTS

## LATIN COMPARATIVE PATHOLOGY GROUP FREE 2021 ANNUAL MEMBERSHIP APPLICATION FORM FOR TRAINEES



Please fill out this form and e-mail it to Latin Comparative Pathology Group [lcpgsecretary@gmail.com](mailto:lcpgsecretary@gmail.com)

NAME:

ADDRESS:

CITY:

STATE: COUNTRY:  
ZIP CODE (US ONLY):

PHONE/FAX:

COUNTRY OF ORIGIN:  
E-mail:

LANGUAGES:

DEGREE(S) & CERTIFICATION(S)  
☐ DVM ☐ PhD ☐ MS ☐ MD ☐ DACV  
P ☐ ASVCP ☐ POST-DOC ☐ Other: Student of Veterinary  
Medicine

TRAINING PROGRAM:

**Thank you for interest in joining and supporting the LCPG!**

# TABLE OF UPCOMING EVENTS

North America				
Country	Course	Date	Venue	Contact
USA	Free Friday Seminars	Weekly: January through June 2021	VIRTUAL	Jey Koehler jaw0007@auburn.edu Paco Uzal fauzal@ucdavis.edu
	Tuesday Day Seminars	Every second and fourth week: January through June	VIRTUAL	Jey Koehler jaw0007@auburn.edu Paco Uzal fauzal@ucdavis.edu
	VII WNPRL Lab Animal Medicine and Pathology Seminar	May 1	VIRTUAL	Andres Mejia amejia@primate.wisc.edu Rebekah Franklin franklin@rarc.wisc.edu
	Gross Pathology Review Course	May 17-21	VIRTUAL	Krista La Perle laperle.1@osu.edu
	Descriptive Veterinary Pathology Course	June 21-25	VIRTUAL	Jey Koehler jaw0007@auburn.edu
Oceania				
Country	Course	Date	Venue	Contact
Australia	Saturday Seminars	Monthly: January through June	VIRTUAL	Tony Ross tony.rossvetpath@hotmail.com Hanna Bender hanbender@gmail.com
Latin America & Europe				
Country	Course	Date	Venue	Contact
Bolivia	1st Bolivian Seminar	May 7	VIRTUAL	Rodolfo Nallar rodonallar@gmail.com
Brazil	Portuguese Virtual Seminars	Monthly: February through June	VIRTUAL	Breno Salgado breno.salgado@ufes.br
Chile	6th Chilean Histopathology Meeting	August 5-6	VIRTUAL	Carlos Flores carlos.flores@upv.cl
Latin America & Spain	Spanish Virtual Seminars	Monthly: January through June	VIRTUAL	Jey Koehler jaw0007@auburn.edu Paco Uzal fauzal@ucdavis.edu



Davis-Thompson  
Foundation

DAVIS-THOMPSON FOUNDATION

Phone: 847-367-4359

Fax: 847-247-1869

 [cldavis.org](http://cldavis.org)

[cldavisdm@comcast.net](mailto:cldavisdm@comcast.net)

MAY 2021